CLAIM AMENDMENTS

Claims 1 through 3 (canceled)

- 4. (Currently amended) A composition for treating crude
 oils to improve flow and to facilitate extraction from oil wells,
 which comprises:
- (a) 20 to 30% by volume of a phenolic oil which is a distillation fraction having a distillation temperature range from 170 to 190°C;
- (b) 20 to 40% by volume of an absorption oil, which is a distillation fraction having a distillation temperature range from 250 to 270°C;
- 10 (c) 20 to 40% by volume of a polymerization oil which is 11 a distillation fraction having a distillation temperature range 12 from 320 to 350°C; and
- 13 (d) balance of the composition up to 100% by volume of a

 14 mixture of chemical additives containing a surfactant, a gas

 15 generator, an acidic substance, and a solvent, the density of the

 16 composition being 110 to 112 1.10 to 1.12 g/cm³.

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- 5. (previously presented) The composition for treating crude oil defined in claim 4 wherein the volumetric ratio of the phenolic oil, the absorption oil, and the polymerization oil is 1:1:1.
- 6. (previously presented) The composition for treating crude oil defined in claim 4 wherein the phenolic oil comprises cresols, naphthalenes, and anthracenes with various chemical radicals attached thereto and having a density of 1.15 to 1.20 g/cm³; the absorption oil comprises phenanthrene, fluorene, carbosols, and fluoranthrene and having a density of 1.19 to 1.22 g/cm³, and the polymerization oil comprises pyrene, acenaphthenes, and chrysenes, and having a density of 1.20 to 1.23 g/cm³.
- 7. (previously presented) The composition for treating crude oil defined in claim 4 wherein the mixture of chemical additives consists of 25% by weight of a surfactant, 10% by weight of a gas generating substance, which are decomposed at a temperature less than 70°C causing the generation of gases, 15% by weight of an acidic substance, and the balance solvent to 100%.
 - 8. (currently amended) The composition for treating crude oil defined in claim 4 which comprises 30% by volume of a phenolic oil, 30% by volume of an absorption oil, 20% by volume of a polymerization oil, and 20% by volume of a mixture of chemical additives comprising 10% by weight of ammonium carbonate, [[35%]]

- 25% by weight of nonylphenol ethoxylated with 5 to 9 ethoxy groups,
 15% by weight of phenol, and the balance a solvent up to 100%.
- 9. (currently amended) A process for treating crude oils
 to improve flow and to facilitate extraction from an oil well by
 preventing formation of deposits clogging oil derricks used in the
 extraction of the crude oils, which comprises the steps of:
 - (i) injecting a composition which comprises
- (a) 20 to 30% by volume of a phenolic oil which is a distillation fraction having a distillation temperature range from 170 to 190°C;
- 9 (b) 20 to 40% by volume of an absorption oil, which is a
 10 distillation fraction having a distillation temperature range from
 11 250 to 270°C;
- (c) 20 to 40% by volume of a polymerization oil which is a distillation fraction having a distillation temperature range from 320 to 350°C; and
- (d) balance of the composition up to 100% by volume of a mixture of chemical additives containing a surfactant, a gas generator, an acidic substance, and a solvent, the density of the composition being 110 to 112 1.10 to 1.12 g/cm³;

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- under pressure into a tubing or through a production casing for cruse oil extraction through the oil well;
- (ii) ceasing fluid extraction from the oil well through
 the tubing or the production casing into which the composition
 according to step (i) has been injected, for a period of 4 to 8
 hours, to penetrate and open up the oil well; and
- 25 (iii) following step (ii), resuming extraction of crude 26 oil from the oil well.
- 10. (previously presented) The process for treating crude
 2 oils defined in claim 9 wherein an effective amount of the
 3 composition to prevent clogging of the oil derricks is injected
 4 according to step (i) to ensure a distribution of 5m³ of
 5 solution/meter through a perforated portion of the tubing portion.
 - 11. (currently amended) A process for treating crude oils to facilitate crude oil extraction from an oil well by preventing formation of deposits clogging lines leading from oil derricks used in the extraction of the crude oils, which comprises the steps of:
 - (i) injecting a composition which comprises
- (a) 20 to 30% by volume of a phenolic oil which is a distillation fraction having a distillation temperature range from 170 to 190°C;

- 10 (b) 20 to 40% by volume of an absorption oil, which is a distillation fraction having a distillation temperature range from 250 to 270°C;
- 13 (c) 20 to 40% by volume of a polymerization oil which is 14 a distillation fraction having a distillation temperature range 15 from 320 to 350°C; and
- (d) balance of the composition up to 100% by volume of a 16 mixture of chemical additives containing a surfactant, a gas 17 generator, an acidic substance, and a solvent, the density of the 18 composition being 110 to 112 1.10 to 1.12 g/cm3, through a line for 19 conveying the crude oil, extracted from an oil well, and in the 20 case of a line whose flow there through is blocked, employing a 21 maximum pressure value which is limited by the pressure that the 22 tubing can withstand; 23
- (ii) maintaining the pressure within the line for a period of 4 to 8 hours; and
- 26 (iii) following step (ii), resuming the flow of crude
 27 oil through the line from the oil well.

- 12. (previously presented) The process for treating crude
 2 oils defined in claim 9 wherein following steps (ii) and (iii), if
 3 the crude oil extraction has not returned to a sufficient level,
 4 again injecting the composition according to step (i)into the
 5 tubing or through the production casing.
- 13. (previously presented) The process for treating crude
 2 oils defined in claim 11 wherein following steps (ii) and (iii), if
 3 the crude oil flow through the line has not returned to a
 4 sufficient level, again injecting the composition according to step
 5 (i)into the line for conveying the crude oil.